

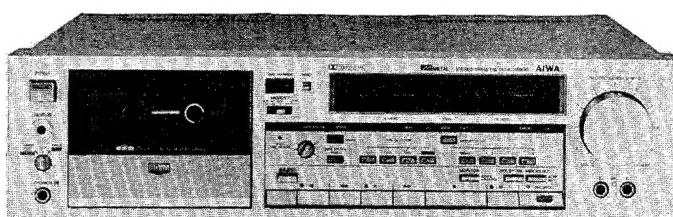
STEREO CASSETTE DECK

MODEL No. AD-M800H, C, U, BU, G

AIWA®

[SERVICE MANUAL]


Code No. 04-800-000-69



DATE OF ISSUE 10/1980

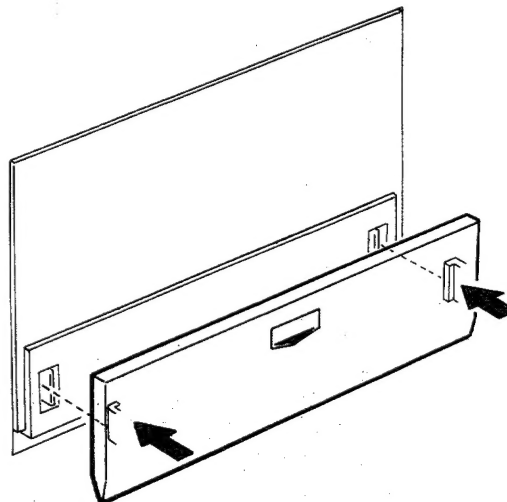
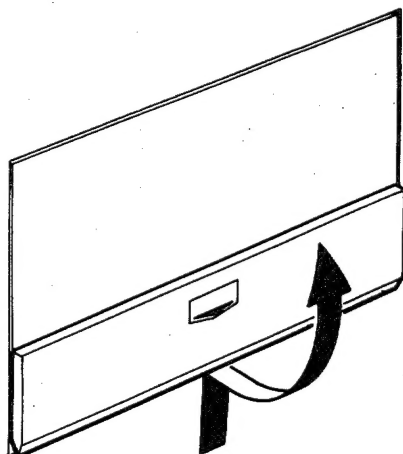
SPECIFICATIONS

Semiconductors:	53 ICs, 1 FET, 143 transistors, 98 diodes & 1 PIN diode, 27 LED's	Channel separation:	More than 35 dB
Power supply:	H model AC 120V/220V/240V switchable 50/60 Hz C, U, BU model AC 120V, 60 Hz G model AC 120V/240V switchable 50/60 Hz	Cross talk:	More than 60 dB
	H, U, BU, G model	Erasing ratio:	More than 60 dB
Power consumption:	26W C model 29W	Bias frequency:	105 kHz
Dimensions:	450(W) x 120(H) x 300(D) mm [17-3/4"(W) x 4-3/4"(H) x 11-1/4"(D)]	Frequency response:	METAL 20 ~ 20,000 Hz CrO ₂ 20 ~ 18,000 Hz Fe-Cr 20 ~ 19,000 Hz LH 20 ~ 17,000 Hz
Weight:	7.2 kg (15.86 lbs.)	Motor:	FG servo motor (capstan) DC motor (reel)
Track type:	4 tracks 2 channel	Inputs:	MIC max. sensitivity 0.3 mV (200 Ω ~ 10 kΩ suitable)
Tape speed:	4.8 cm/s (1-7/8 ips) ± 1.5%		LINE IN max. sensitivity 50 mV (Optimum load impedance more than 50 kΩ)
Wow and flutter:	Less than 0.04% (WRMS)		Standard level 0.41 V (0 VU) (Optimum load impedance more than 50 kΩ)
Automatic stop system:	Full auto stop	Outputs:	LINE OUT PHONES
Automatic shut-off action time:	3 ± 1 s.		8 Ω ~ 150 Ω, 2 mW (0 VU)
Pinch roller pressure:	450 ± 40 g (4.41 ± 0.39N)		
Take-up torque:	50 ± 10g-cm (490 ± 98 mN·m)		
FF & rewind time:	90 s. (C-60)		
Play back output:	0.58 ± 0.05V (LINE)		
(TTA-161)			
Play back noise:	Less than 1.1 mV (METAL, CrO ₂ , Fe-Cr DOLBY NR ON) Less than 2.2 mV (LH DOLBY NR OFF) 0 VU ± 1.5 dB (LINE)		
Rec./PB output:			
(TTA-119G)			
Rec./Pb distortion:	Less than 1.0% (METAL) Less than 1.2% (CrO ₂) Less than 1.0% (Fe-Cr) Less than 1.5% (LH) Less than 2.2/1.2 mV (METAL, CrO ₂ , Fe-Cr DOLBY-NR OFF/ON) Less than 2.8/1.4 mV (LH DOLBY-NR OFF/ON)		
Rec./Pb noise:			
(Unweighted)	Less than 1.1/0.5 mV (METAL, CrO ₂ , Fe-Cr DOLBY-NR OFF/ON) Less than 1.5/0.7 mV (LH DOLBY-NR OFF/ON)		
(Weighted-A)			

- Specifications and external appearance are subject to change without due to product improvement.
- Dolby Noise Reduction System is licensed from Doby Laboratories.
- The name "Dolby" and  symbol are trademarks of Dolby Laboratories.

Caution

- Remove the cassette compartment cover by first pushing upwards and then pulling out.
- When reattaching, align the compartment cover with the tabs and press as shown in the illustration.

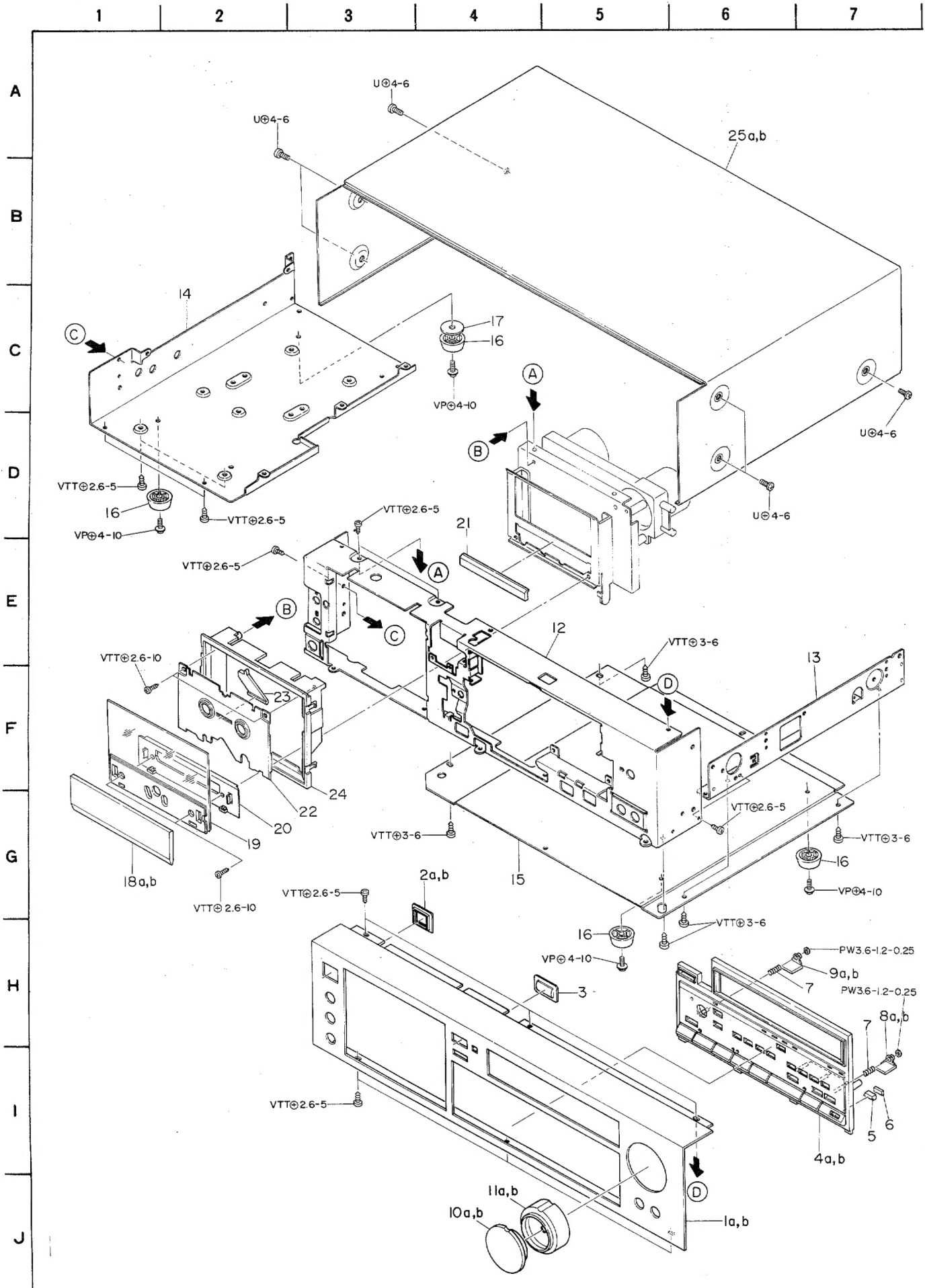


ACCESSORIES/PACKAGE

Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
1a	82-155-858-01		Printed indiv., Packing (H,C,G model only)	*	1
1b	82-155-854-01		Printed indiv., Packing (U model only)	*	1
1c	82-155-863-01		Printed indiv., Packing (BU model only)	*	1
2a	82-162-852-11		Cushion L, Printed indiv. (H,C,BU,G model only)	AD-R500	1
2b	82-155-860-11		Cushion L, Printed indiv. (U model only)	*	1
3a	82-162-853-01		Cushion R, Printed indiv. (H,C,BU,G model only)	AD-R500	1
3b	82-155-861-01		Cushion R, Printed indiv. (U model only)	*	1
4	87-051-131-11		Poly-vinyl sack (for AC power cord)		1
5	87-056-607-01		Poly-vinyl sack (for case)		1
6a	82-155-859-01		Support cushion (H,C,U,G model only)	*	1
6b	82-155-865-01		Support cushion (BU model only)	*	1
7a	82-155-906-11		Instructions booklet (H,C model only)	*	1
7b	82-155-910-11		Instructions booklet (U,BU model only)	*	1
7c	82-155-909-01		Instructions booklet (G model only)	*	1
8	87-051-132-11		Poly-vinyl sack		1
9	87-051-135-11		Poly-vinyl sack		1
10	87-051-175-01		Poly-tube A (for instruction)		1
11	87-056-009-41		Distributors list (H,C,G model only)		1
12a	87-056-013-01		Guarantee card (C model only)		1
12b	87-056-045-01		Guarantee card (U,BU model only)		1
12c	87-056-032-01		Guarantee card (G model only)		1
13	87-056-057-01		Service station list (U,BU model only)		1
14	82-155-081-01		Handle (BU model only)	*	2
15	82-155-951-11		Screw handle ass'y	*	1
16	86-944-012-01		Connection cord, CW-129BSK		2
17	87-032-845-01		Siemens plug (H model only)		1
18	87-056-050-01		Safety instruction (U,BU model only)		1
19	86-159-001-01		Remote control, RC-82		1
20	87-047-063-01		Battery, SUM-3AE		3

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EXPLODED VIEW-1



MECHANICAL PARTS

PARTS LIST

* mark in this part list shows exclusive part
(which is used) for only Model No. AD-M800.

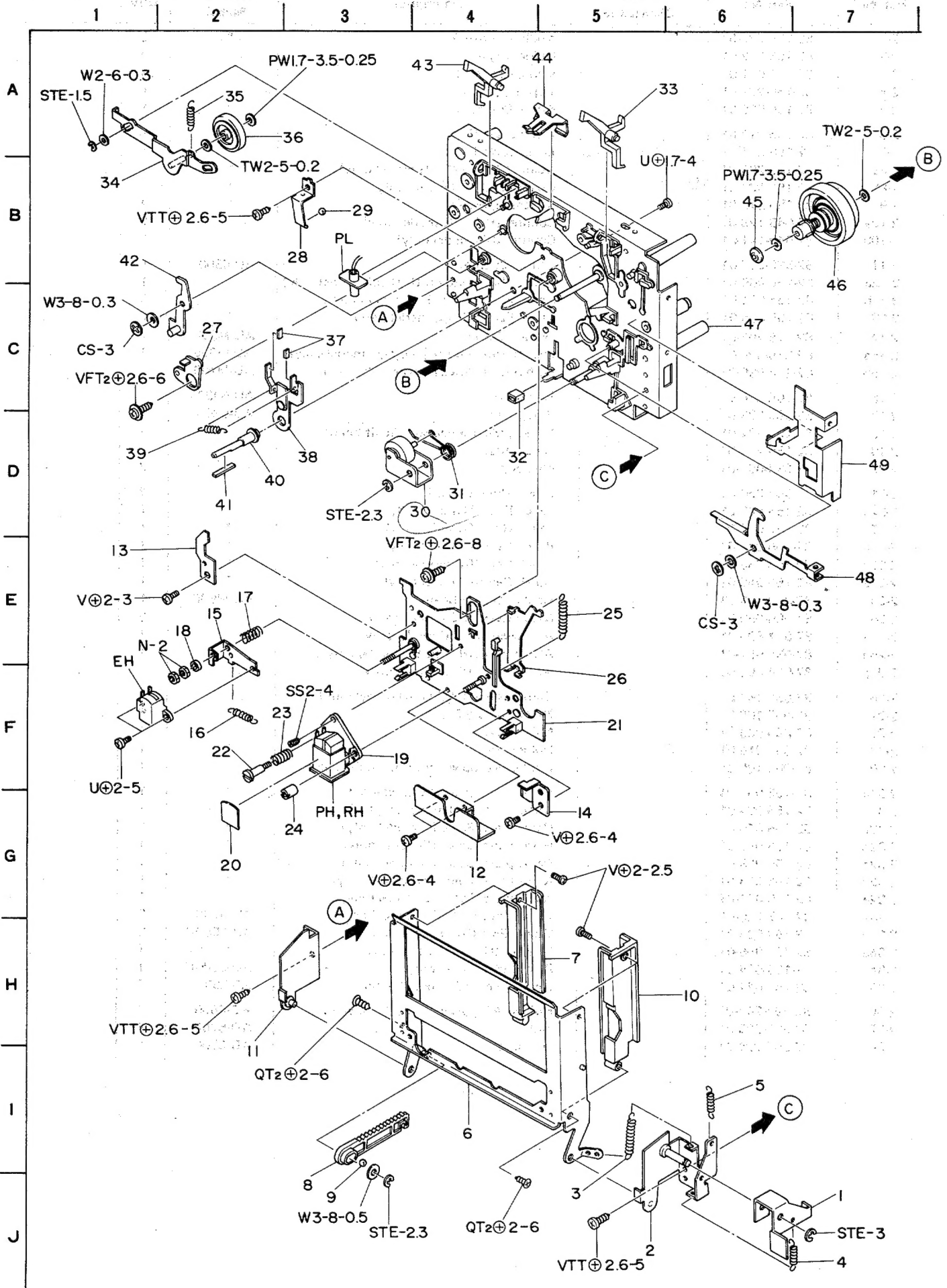
Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
1-1a	82-155-055-01		Panel, Front E (H,C,U,G model only)	*	1
1-1b	82-155-064-01		Panel, Front BU (BU model only)	*	1
1-2a	82-318-014-01		Guide, Power button (H,C,U,G model only)	AD-M600	1
1-2b	82-154-042-01		Guide, Power button (BU model only)	AM-M700	1
1-3	82-155-061-01		Window B, Counter	*	1
1-4a	09-047-187-01		Control panel ass'y (H,C,U,G model only).	*	1
	82-155-019-01		Guide, Control panel	*	1
	82-155-062-01		Control panel E	*	1
	82-155-063-01		Plate, LED	*	1
	82-155-030-01		Touch-key, Dummy	*	1
	82-155-024-01		Touch-key, PLAY	*	5
	82-155-025-01		Touch-key, STOP	*	1
	82-155-031-01		Touch-key, REC mute	*	1
1-4b	09-047-188-01		Control panel ass'y (BU model only)	*	1
	82-155-067-01		Guide, Control panel	*	1
	82-155-065-01		Control panel BU	*	1
	82-155-085-01		Plate, LED	*	1
	82-155-079-01		Touch-key, Dummy	*	1
	82-155-077-01		Touch-key, PLAY	*	5
	82-155-078-01		Touch-key, STOP	*	1
	82-155-080-01		Touch-key, REC mute	*	1
1-5	82-155-033-01		Knob, REC mute	*	1
1-6	82-155-218-01		S cushion, REC mute	*	1
1-7	82-155-214-01		C-spring, Eject	*	4
1-8a	82-155-017-01		Knob, Dolby (H,C,U,G model only)	*	3
1-8b	82-155-075-01		Knob, Dolby (BU model only)	*	3
1-9a	82-155-018-01		Knob, Eject (H,C,U,G model only)	*	1
1-9b	82-155-076-01		Knob, Eject (BU model only)	*	1
1-10a	82-155-005-01		Knob REC B ass'y (H,C,U,G model only)	*	1
1-10b	82-155-071-01		Knob REC B ass'y (BU model only)	*	1
1-11a	82-155-002-01		Knob REC A ass'y (H,C,U,G model only)	*	1
1-11b	82-155-069-01		Knob REC A ass'y (BU model only)	*	1
1-12	82-155-201-01		Chassis, Front	*	1
1-13	82-321-220-01		Amp. chassis B2	*	1
1-14	82-155-220-01		Amp. chassis A3	*	1
1-15	82-318-002-01		Cabinet, Bottom	AD-M600	1
1-16	87-085-161-01		Foot		4
1-17	82-154-223-01		G cushion, Foot	AD-M700	1
1-18a	82-155-013-01		Cassette lid (H,C,U,G model only)	*	1
1-18b	82-155-082-01		Cassette lid (BU model only)	*	1
1-19	82-155-014-01		Window, Cassette	*	1
1-20	82-155-039-01		Blind cassette	*	1
1-21	82-155-042-01		Name, Cassette lid	*	1
1-22	82-155-037-01		Plate, Cassette	*	1
1-23	82-154-015-01		Guide, Right	AD-M700	1
1-24	82-155-023-01		Blinder	*	1
1-25a	82-155-016-01		Cabinet, Steel (H,C,U,G model only)	*	1
1-25b	82-155-066-01		Cabinet, Steel (BU model only)	*	1
[U model only]					
	82-162-032-01		Side board L ass'y (U model only)	AD-R500	1
	82-155-058-01		Side board R ass'y (U model only)	*	1
	87-259-178-01		U + 4 - 25 (U model only)		6

the 1990s, the number of people in the world who are under 15 years of age is expected to increase from 1.1 billion to 1.5 billion. The number of people aged 65 and over is expected to increase from 200 million to 400 million. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion.



Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
2-1	82-155-020-01		Knob, Control A	*	2
2-2	82-155-022-01		Guide, Light	*	8
2-3	82-155-021-01		Knob, Control B	*	8
2-4	82-155-221-01		T-spring, Earth	*	1
2-5	82-155-038-01		Knob, Control C	*	1
2-6	82-155-212-01		Lamp cover R	*	1
2-7	82-155-211-01		Lamp cover L	*	1
2-8a	82-155-205-01		Guide, LED (H,C,U,G model only)	*	1
2-8b	82-155-087-01		Guide, LED (BU model only)	*	1
2-9	82-155-219-01		S cushion, Meter	*	2
2-10a	87-040-128-01		Counter (H,C,U,G model only)		1
2-10b	87-040-141-01		Counter (BU model only)		1
2-11	82-385-253-01		Belt L, Counter	AD-6300	1
2-12a	82-155-009-01		Knob, Slide switch B (H,C,U,G model only)	*	1
2-12b	82-155-074-01		Knob, Slide switch B (BU model only)	*	3
2-13	82-155-008-01		Knob, PB (H,C,U,G model only)	*	2
2-14	82-318-205-01		Holder, Power	AD-M600	1
2-15a	82-318-025-01		Push-button, Power (H,C,U,G model only)	AD-M600	1
2-15b	82-154-030-01		Push-button, Power (BU model only)	AD-M700	1
2-16	82-304-210-01		Rod power	AD-6900	
2-17	82-385-383-01		Stopper rod	AD-6300	1
2-18	82-155-202-01		Holder, Microprocessor circuit board	*	2
2-19	82-155-217-01		Amp. chassis	*	1
2-20	87-038-052-01		Wire crip	*	2
2-21	87-064-056-01		Hinge, Circuit board		2
2-22a	82-155-043-01		Panel, Rear (H model only)	*	1
2-22b	82-155-044-01		Panel, Rear (C model only)	*	1
2-22c	82-155-047-01		Panel, Rear (U model only)	*	1
2-22d	82-155-068-01		Panel, Rear (BU model only)	*	1
2-22e	82-155-048-01		Panel, Rear (G model only)	*	1
2-23	82-318-203-01		Holder, Circuit board	AD-M600	1
2-24	87-085-090-01		Nylon rivet (H,G model only)		2
2-25a	87-034-826-01		AC power cord (H model only)		1
2-25b	87-034-951-01		AC power cord (C,U,BU model only)		1
2-25c	87-034-892-01		AC power cord (G model only)		1
2-26	87-085-165-01		Cord bushing (H,C,U,BU model only)		1
2-27	87-085-102-01		Nylon rivt 3.5-5.5		6
2-28	87-085-080-01		Nylon rivet		2
2-29	82-155-216-01		Holder, PB	*	1
2-30	87-085-166-01		Holder, AC power cord (G model only)		1
2-31a	82-155-057-01		Knob, Tone (H,C,U,G model only)	*	1
2-31b	82-155-084-01		Knob, Tone (BU model only)	*	1
2-32a	82-155-049-01		Name plate, Spec. (H model only)	*	1
2-32b	82-155-050-01		Name plate, Spec. (C model only)	*	1
2-32c	82-155-053-01		Name plate, Spec. (U model only)	*	1
2-32d	82-155-083-01		Name plate, Spec. (BU model only)	*	1
2-32e	82-155-054-01		Name plate, Spec. (G model only)	*	1
2-33a	82-307-026-01		Guide, Pipe (H,C,U,G, model only)	AD-6700	2
2-33b	82-153-035-01		Guide, Pipe (BU model only)	AD-6900II	2
2-34a	82-155-056-01		Pipe A2 (H,C,U,G model only)	*	1
2-34b	82-153-034-01		Pipe A (BU model only)	AD-6900II	1
2-35	82-157-042-01		Knob, Timer (BU model only)	SD-L50	2
2-36	82-397-244-01		Holder, AC power cord (G model only)	AD-6550	1
2-37	82-307-235-01		Nut	AD-6700	1
2-38	82-307-234-01		G cushion	AD-6700	1

EXPLODED VIEW-3



Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
3-1	82-155-204-01		Lever, Eject	*	1
3-2	82-319-220-01		Holder C, Box R ass'y	AD-M600	1
3-3	82-319-230-01		E-spring, Cassette lid	AD-M600	1
3-4	82-155-215-01		E-spring, Eject lever	*	1
3-5	82-392-374-01		E-spring, Pause A	AD-6550	1
3-6	82-155-206-01		Cassette box ass'y	*	1
3-7	82-155-040-01		Holder L2, Cassette	*	1
3-8	82-541-240-01		Lever, Oil damper	TPR-950	1
3-9	82-073-005-01		Steel ball 2φ		1
3-10	82-155-041-01		Holder R2, Cassette	*	1
3-11	82-319-223-01		Holder C, Box L ass'y	AD-M600	1
3-12	82-397-291-01		Shield plate, Head	AD-6550	1
3-13	82-319-209-01		Guide, Idler lever	AD-M600	1
3-14	82-303-294-01		Holder, T-spring	AD-6900	1
3-15	82-303-374-01		Holder, EH	AD-6900	1
3-16	82-154-220-01		E-spring, EH	AD-M700	1
3-17	82-154-209-01		C-spring, EH	AD-M700	1
3-18	82-303-371-01		Collar, EH	AD-6900	1
3-19	82-155-615-01		Head combination	*	1
3-20	82-304-069-01		Label, Head	AD-6900	1
3-21	09-047-181-01		Outsert actuating chassis ass'y	*	1
3-22	82-304-289-01		Screw, RPH	AD-6900	1
3-23	82-392-357-01		C-spring, Head	AD-6550	1
3-24	82-304-317-01		Nut, Azimuth	AD-6900	1
3-25	82-155-222-01		E-spring, Actuating	*	1
3-26	82-319-210-01		Slide plate, Actuating	AD-M600	1
3-27	82-303-288-01		Lever, Actuating lock	AD-6900	1
3-28	82-319-215-01		P-spring, Actuating A	AD-M600	1
3-29	82-215-341-01		Steel ball 3/32		1
3-30	82-319-270-01		Pinch roller ass'y	AD-M600	1
3-31	82-303-316-01		T-spring, Pinch lever	AD-M600	1
3-32	82-397-307-01		G cushion, Eject lever	AD-6550	1
3-33	82-303-349-01		Lever, CrO ₂	AD-6900	1
3-34	82-303-342-01		Play idler lever ass'y	AD-6900	1
3-35	82-303-325-01		E-spring, Play idler	AD-6900	1
3-36	82-303-274-01		Play idler ass'y	AD-6900	1
3-37	82-303-382-01		Felt, Sub brake	AD-6900	2
3-38	82-319-259-01		Lever, Back tension ass'y	AD-M600	1
3-39	82-154-221-01		E-spring, Back tension	AD-M700	1
3-40	82-154-212-01		Shaft, Tension	AD-M700	1
3-41	82-303-372-01		Felt, EH	AD-6900	1
3-42	82-319-235-01		Lever, PAC ass'y	AD-M600	1
3-43	82-303-346-01		Lever, REC blocking	AD-6900	1
3-44	82-319-214-01		P-spring, Cassette	AD-M600	1
3-45	82-303-398-01		Take up reel platform cap	AD-6900	1
3-46	82-303-249-01		Take up reel platform ass'y	AD-6900	1
3-47	09-047-175-01		Main chassis ass'y	*	1
3-48	82-319-211-01		Lever, Play switch	AD-M600	1
3-49	82-155-210-01		Lock lever	*	1

1	2	3	4	5	6	7
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Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty	
4-1	82-319-241-01		Holder, CrO ₂	AD-M600	1	
4-2	82-319-251-01		E-spring, CrO ₂	AD-M600	1	
4-3	82-303-286-01		Lever, Brake	AD-6900	1	
4-4	82-303-350-01		Holder, REC blocking	AD-6900	1	
4-5	82-319-234-01		E-spring, REC blocking	AD-M600	1	
4-6	82-319-207-01		Holder, Plunger	AD-M600	1	
4-7	82-304-244-01		Shaft, Play lever	AD-6900	1	
4-8	82-304-249-01		E-spring, Actuating	AD-6900	1	
4-9	82-304-232-01		Lever, Play	AD-6900	1	
4-10	82-319-269-01		Shaft, Plunger	AD-M600	1	
4-11	82-319-250-01		Slide plate, Play B	AD-M600	1	
4-12	82-481-311-01		C-spring, Plunger	AF-3090	1	
4-13	82-319-225-01		Holder, Oil damper ass'y	AD-M600	1	
4-14	82-534-264-01		Gear, Oil damper			
4-15	82-319-239-01		Gear, Oil	AD-M600	1	
4-16	82-303-398-01		Take up reel platform cap	AD-6900	1	
4-17	82-154-216-01		Supply reel platform ass'y	AD-M700	1	
4-18	82-303-322-01		C-spring, FR idler	AD-6900	1	
4-19	82-303-271-01		Idler pulley FR ass'y	AD-6900	1	
4-20	82-303-335-01		Felt 6,4-14	AD-6900	1	
4-21	82-303-353-01		E-spring, FR lever	AD-6900	1	
4-22	82-303-277-01		FR lever ass'y	AD-6900	1	
4-23	82-303-292-01		Lever, Eject	AD-6900	1	
4-24	87-081-483-01		Motor screw M2.6		6	
4-25	82-439-319-01		Rubber cushion B	TPR-300	6	
4-26	82-319-247-01		Motor pulley, FR	AD-M600	1	
4-27	82-319-248-01		Motor pulley, Flywheel A	AD-M600	1	
4-28	09-047-152-01		Sub chassis ass'y	*	1	
4-29	87-064-080-01		Wire binder		1	
4-30	82-439-410-01		Shaft bearing 2φ	TPR-300	1	
4-31	82-303-309-01		Drive rubber	AD-6900	1	
4-32	82-303-330-01		Slip pulley ass'y	AD-6900	1	
4-33	82-303-385-01		Rubber belt FR B	AD-6900	1	
4-34	82-439-426-01		Brake shoe A	TPR-300	2	
4-35	82-303-318-01		T-spring, Brake	AD-6900	1	
4-36	82-303-297-01		Slide plate, Brake	AD-6900	1	
4-37	82-319-238-01		Plate, Flywheel	AD-M600	1	
4-38	82-331-107-01		Thrust screw		1	
4-39	82-154-218-01		Flywheel ass'y	AD-M700	1	
4-40	82-319-227-01		Rubber belt, Flywheel	AD-M600	1	
4-41	82-392-256-01		Shaft bearing ass'y	AD-6550	1	

AIWACO.,LTD.

ELECTRICAL MAIN PARTS LIST

Symbol No.	Part No.	Description
◀ MAIN CIRCUIT BOARD SECTION ▶		
PC-8	82-155-602-11	Main circuit board (H.C.G model)
PC-8A	82-155-602-11	Main circuit board (H.C.G model)
IC-101, 102	87-027-557-01	IC, CX174
303, 304	87-027-392-01	IC, LM4170
IC1015	87-027-371-01	IC, 46804
303, 304	87-027-671-01	IC, TC4081
IC302, 303	87-027-677-01	IC, LF333N *
335, 336	87-027-679-01	IC, LM13000N *
IC701	87-027-567-01	IC, HM4152BP
IC101, 102	88-107-506-01	Transistor, 2A356(B)
IC101, 102	88-107-506-01	Transistor, 2A356(B)
106, 107, 108	88-107-336-01	Transistor, 2SC346(P)
151, 152, 201	88-116-201-01	Transistor, 2SC1618(B)
302, 303, 306	88-116-198-01	Transistor, 2SC1618(B)
307, 308, 309	88-116-198-01	Transistor, 2SC1618(B)
310, 311, 312	88-107-336-01	Transistor, 2SC346(P)
313, 314, 305	88-107-336-01	Transistor, 2SC346(P)
503, 702, 703	88-107-336-01	Transistor, 2SC346(P)
704, 705, 706	88-107-336-01	Transistor, 2SC346(P)
707, 708, 709	88-107-336-01	Transistor, 2SC346(P)
710, 713, 715	88-107-336-01	Transistor, 2SC346(P)
Q108, 110, 111	88-107-336-01	Transistor, 2SC346(P)
112, 113, 114	88-107-336-01	Transistor, 2SC346(P)
314	88-107-336-01	Transistor, 2SC346(P)
302, 304, 313	88-107-336-01	Transistor, 2SC346(P)
Q801, 801	88-107-336-01	Transistor, 2SC346(P)
Q802, 801	88-107-336-01	Transistor, 2SC346(P)
Q803	88-107-336-01	Transistor, 2SC346(P)
Q804	88-107-336-01	Transistor, 2SC346(P)
Q805, 771	88-107-336-01	Transistor, 2SC346(P)
Q806, 771	88-107-336-01	Transistor, 2SC346(P)
Q701	88-107-336-01	Transistor, 2SC346(P)
D101, 102, 201	88-107-336-01	Transistor, 2SC346(P)
302, 305, 307	88-107-336-01	Transistor, 2SC346(P)
306, 308, 309	88-107-336-01	Transistor, 2SC346(P)
309, 310, 311	88-107-336-01	Transistor, 2SC346(P)
803, 804, 805	88-107-336-01	Transistor, 2SC346(P)
806, 808	88-107-336-01	Transistor, 2SC346(P)
D303, 304, 305	88-107-336-01	Transistor, 2SC346(P)
306	88-107-336-01	Transistor, 2SC346(P)
Q801, 801	88-107-336-01	Transistor, 2SC346(P)
Q802, 801	88-107-336-01	Transistor, 2SC346(P)
Q803	88-107-336-01	Transistor, 2SC346(P)
D701	88-107-336-01	Transistor, 2SC346(P)
D801, 801	88-107-336-01	Transistor, 2SC346(P)
D802, 802, 809	88-107-336-01	Transistor, 2SC346(P)
D803, 803	88-107-336-01	Transistor, 2SC346(P)
D804, 804	88-107-336-01	Transistor, 2SC346(P)
L301, 302	88-107-336-01	Transistor, 2SC346(P)
C901, 302	88-107-336-01	Transistor, 2SC346(P)
C771	88-107-336-01	Transistor, 2SC346(P)
J701	88-107-336-01	Transistor, 2SC346(P)
J702	88-107-336-01	Transistor, 2SC346(P)
J703	88-107-336-01	Transistor, 2SC346(P)
J704	88-107-336-01	Transistor, 2SC346(P)
J705	88-107-336-01	Transistor, 2SC346(P)
J706	88-107-336-01	Transistor, 2SC346(P)
J707	88-107-336-01	Transistor, 2SC346(P)
J708	88-107-336-01	Transistor, 2SC346(P)
J709	88-107-336-01	Transistor, 2SC346(P)
J710	88-107-336-01	Transistor, 2SC346(P)
J711	88-107-336-01	Transistor, 2SC346(P)
J712	88-107-336-01	Transistor, 2SC346(P)
J713	88-107-336-01	Transistor, 2SC346(P)
J714	88-107-336-01	Transistor, 2SC346(P)
J715	88-107-336-01	Transistor, 2SC346(P)
J716	88-107-336-01	Transistor, 2SC346(P)
J717	88-107-336-01	Transistor, 2SC346(P)
J718	88-107-336-01	Transistor, 2SC346(P)
J719	88-107-336-01	Transistor, 2SC346(P)
J720	88-107-336-01	Transistor, 2SC346(P)
J721	88-107-336-01	Transistor, 2SC346(P)
J722	88-107-336-01	Transistor, 2SC346(P)
J723	88-107-336-01	Transistor, 2SC346(P)
J724	88-107-336-01	Transistor, 2SC346(P)
J725	88-107-336-01	Transistor, 2SC346(P)
J726	88-107-336-01	Transistor, 2SC346(P)
J727	88-107-336-01	Transistor, 2SC346(P)
J728	88-107-336-01	Transistor, 2SC346(P)

Symbol No.	Part No.	Description
J3,4,5,6	82305-639-01	Pin-jack Assy
LF3001.202	82305-069-01	LINE IN/OUT, LINE OUT/PLAY 100kΩ
S1,2,3	82315-660-01	Switch (IMP, FILTER, SILEN, VOLUME MONITOR)
S1,2,3	87021-616-01	Slide-wired resistor, 47kΩ±8
R01,R102	87021-616-01	Slide-wired resistor, 47kΩ±8
R02,104	87032-808-01	PP
R03,104	87032-808-01	PP
PHN-2	87032-804-01	PP, 4P
PHN-4	87032-908-01	PP, 4P
R01,502	87032-070-01	< Resistor >
R02	87025-067-01	2.2k 1W
R03,14,515,606	87032-071-01	4.7k 1W
R04	87032-071-01	10k 1W
R11,112	87025-294-01	3.6kΩ 1W ±1% Metal film resistor
R15,156,353	87025-281-01	6.2kΩ 1W ±1% Metal film resistor
C303,304	87015-242-01	< Capacitors >
C152,307	87015-463-01	2.2μF 50V
C108	87015-463-01	2.2μF 25V
C313	87015-464-01	Electrolytic BP
C320,359,360	87015-688-01	4.7μF 16V
C355,366,370	87015-688-01	22μF 16V
C313,343,340	87015-141-01	Electrolytic BP
C344	87015-141-01	10μF 16V
C119,120	87014-072-01	4700pF ±2% PP
C313,136,323	87014-116-01	0.0088μF ±2% PP
C324	87014-116-01	PP
C325	87014-116-01	0.01μF ±2% PP
C326	87014-116-01	PP
C355,366	87014-122-01	0.018μF ±2% PP
C109,110	87014-119-01	PP
C139,40,327	87014-120-01	0.018μF ±2% PP
C328	87014-120-01	PP

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Symbol No.	Part No.	Description
O1	89-047-052-01	Transistor, 2N3042(P)
O2	89-108-084-01	Transistor, 2N3065(E)
O3	89-107-335-01	Transistor, 2N6733(K)
O4	89-308-466-01	Transistor, 2N3946(P)
O5	88-110-155-01	Transistor, 2A101(GR)
O6	88-048-055-01	Transistor, 2N3065(E)
O7	89-126-026-01	Transistor, 2N3065(E)
O8	89-318-154-01	Transistor, 2C1151(GR)
O9	89-318-154-01	Transistor, 2C1151(GR)
O10	88-052-168-01	Diode, 1S1885(FM)
O11	87-067-057-01	Diode, 1S1885(FM)
O12	87-067-057-01	Diode, 1S1885(FM)
O13	87-027-660-01	Zener diode, HZ742
O14	87-027-385-01	Zener diode, SZ776
O15	87-027-675-01	Zener diode, HZ33-3L
O16	87-027-380-01	Zener diode, HZ24-3L
O17	87-027-380-01	Zener diode, HZ24-3L
O18	87-027-390-01	Zener diode, HZ36-3L
O19	87-027-390-01	Zener diode, HZ36-3L
O20	87-027-584-01	Zener diode, HZ62L1
O21	87-026-188-01	Ceramic, C58A00R1
O22	87-027-161-01	Small-signal resistor, 2.2k-0.8
O23	87-027-161-01	Small-signal resistor, 47k-0.8
O24	87-027-161-01	Small-signal resistor, 54k-0.8
O25	87-032-904-01	Pin, 4P
O26	87-032-904-01	Pin, 4P
O27	87-032-906-01	Pin, 6P
O28	87-032-906-01	Pin, 6P
O29	87-032-906-01	Pin, 6P
O30	87-032-906-01	Pin, 6P
O31	87-032-906-01	Pin, 6P
O32	87-032-906-01	Pin, 6P
O33	87-032-906-01	Pin, 12P
O34	87-029-017-01	< 10kΩ > Resistor
O35	87-029-017-01	< 10kΩ > Resistor
O36	87-029-017-01	< 10kΩ > Resistor
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O242	87-029-017-01	< 10kΩ > Resistor
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O264	87-029-017-01	< 10kΩ > Resistor
O265	87-029-017-01	< 10kΩ > Resistor
O266	87-029-017-01	< 10kΩ > Resistor
O267	87-029-017-01	< 10kΩ > Resistor

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MEMO

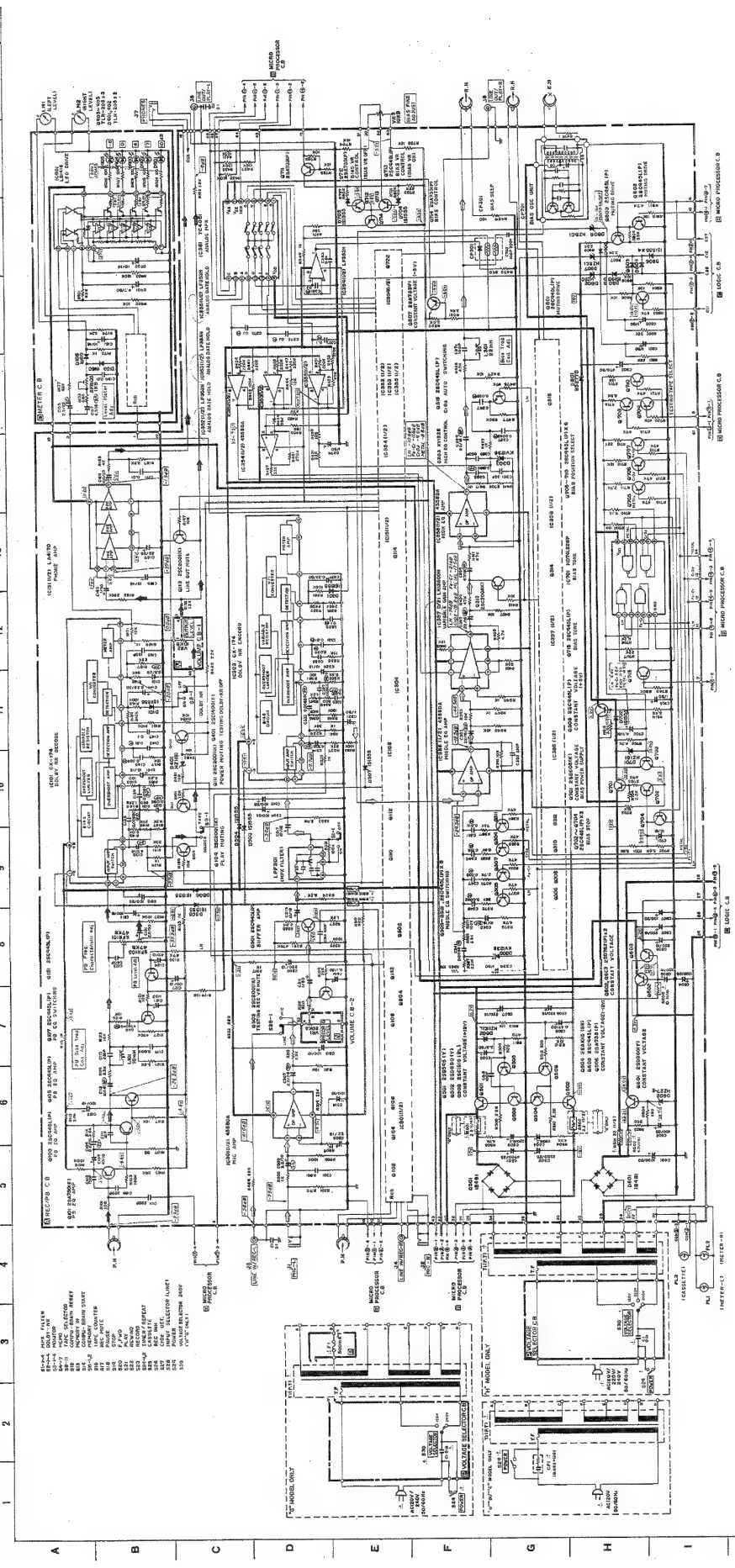
Symbol No.	Part No.	Description
R1	87-025-286-01	< Resistor >
<< SWITCH CIRCUIT BOARD-1 SECTION >>		
PCB-G	82-155-611-01	Switch circuit board-1
PCB-G	82-155-685-01	Switch circuit board-1
S15	82-318-615-01	Logic switch (MEMORY)
<< SWITCH CIRCUIT BOARD-2 SECTION >>		
PCB-H	82-155-610-01	Switch circuit board-2
PCB-H	82-155-684-01	Switch circuit board-2
S24	87-031-502-01	Logic switch (TIMER/REPEAT)
PCB-N	87-032-503-01	Logic switch (TIMER/REPEAT)
PCB-N	87-032-504-01	Logic switch (TIMER/REPEAT)
PCB-N	87-032-505-01	Logic switch (TIMER/REPEAT)
<< TAPE/CHANNEL SWITCH CIRCUIT BOARD SECTION >>		
PCB-J	82-155-618-11	Tape channel switch circuit board
D1,10,11,12	82-155-681-01	LED, T.L.G-2055
D14	82-561-614-01	LED, T.L.R-205
S4-11, D7-9	87-031-556-01	Logic switch w/LED (MEMORY)
S12-14	87-031-557-01	Logic switch (COMPU BRAIN, MEMORY IN, START)
<< LOGIC CIRCUIT BOARD SECTION >>		
PCB-K	82-155-620-11	Logic circuit board
D1	87-027-635-01	LED, T.L.R-229
D2	87-027-637-01	LED, T.L.G-226
D3	87-027-638-01	LED, T.L.Y-226
S17-23	87-031-556-01	Logic switch (Logic control switch)
<< BIAS LED CIRCUIT BOARD SECTION >>		
PCB-L	82-155-619-11	Bias LED circuit board
D1	87-027-638-01	LED, T.L.Y-226
<< VOLUME CIRCUIT BOARD-1 SECTION >>		
PCB-M	82-155-605-11	Volume circuit board-1
PCB-M	82-155-679-01	Volume circuit board-1
V22	82-155-643-01	Volume, 10KΩ-A
<< VOLUME CIRCUIT BOARD-2 SECTION >>		
PCB-N	82-155-604-11	Volume circuit board-2
PCB-N	82-155-678-01	Volume circuit board-2
V21	82-155-644-01	Volume, 20KΩ-A
<< VOLTAGE SELECTOR CIRCUIT BOARD SECTION >>		
PCB-P	82-154-608-11	Voltage selector circuit board

Symbol No.	Part No.	Description
△ S30	87-031-551-01	Rotary switch (VOLTAGE SELECTOR)
△ S30	87-031-542-01	Rotary switch (VOLTAGE SELECTOR)
△ F1	87-035-219-01	Fuse, T500mA (G model)
△	87-035-219-01	Fuse, T500mA (G model)
△	87-033-147-01	Fuse, T500mA (G model)
△ C1	87-019-104-01	Capacitor > Line capacitor 0.01μF
<< MISCELLANEOUS >>		
△ T1	82-155-631-01	Power transformer (H,G model)
△ T1	82-155-630-01	Power transformer (H,G model)
△ T1	82-155-628-01	Power transformer (U,BU model)
△ T1	82-155-629-01	Power transformer (U,BU model)
△ PH	87-046-173-01	PH/PT combination head
M1	82-154-621-01	Motor, DC-FG
M2	82-154-621-01	Motor, DC-FG
SO1,1	82-318-615-11	Solderless FWD
SO2,2	82-318-615-11	Solderless FWD
PL	82-155-664-01	Pilot lamp, 8V 80mA
△ CP1	87-019-098-01	Compound capacitor 0.033μF+120Ω (C model)
△ CP1	87-029-006-01	Compound capacitor 0.033μF+120Ω (U,BU model)
LM1,2	82-155-638-11	Jack, 6.3x (PHONES)
J7	82-155-641-01	Jack, 2.5x (PLAYER SYNC)
V3	87-049-008-01	Volume, 10KΩ-B
V3	82-155-665-01	Volume, 10KΩ-B
S26,27	87-031-610-01	BIAS FINE ADJUST
S25	82-318-613-01	Logic switch (Bias fine adjust, C/O, detection)
△ S29	87-031-467-01	Micro switch (Capacitor detection)
△ S29	87-031-467-01	Micro switch (POWER)
△ S29	87-031-520-01	Push-switch (POWER)
△	87-035-140-01	Solderless terminal (C, U,BU, BU model)
△	87-034-826-01	AC cord H model
△	87-034-951-01	AC cord I.C.U.B model
△	87-034-882-01	AC cord (G model)
△	87-035-165-01	Card housing (H,C, U,BU model)
△	82-155-635-01	Connector ass'y, 3P
CON-18	82-155-636-01	Connector ass'y, 3P
CON-17	82-155-648-01	Connector ass'y, 3P
CON-10	82-155-663-01	Connector ass'y, 3P
CON-10	82-155-663-01	Connector ass'y, 3P
CON-16	82-155-640-01	Connector ass'y, 4P
CON-15	82-155-640-11	Connector ass'y, 4P
CON-6	82-155-689-11	Connector ass'y, 4P
CON-21	82-155-674-01	Connector ass'y, 4P
CON-2	82-155-677-01	Connector ass'y, 4P
CON-5	82-155-691-01	Connector ass'y, 4P
CON-5	82-155-692-01	Connector ass'y, 4P
CON-9	82-155-696-01	Connector ass'y, 6P
CON-14	82-155-667-01	Connector ass'y, 6P
CON-11	82-155-665-01	Connector ass'y, 7P
CON-8	82-155-665-01	Connector ass'y, 7P
CON-20	82-155-688-01	Connector ass'y, 8P

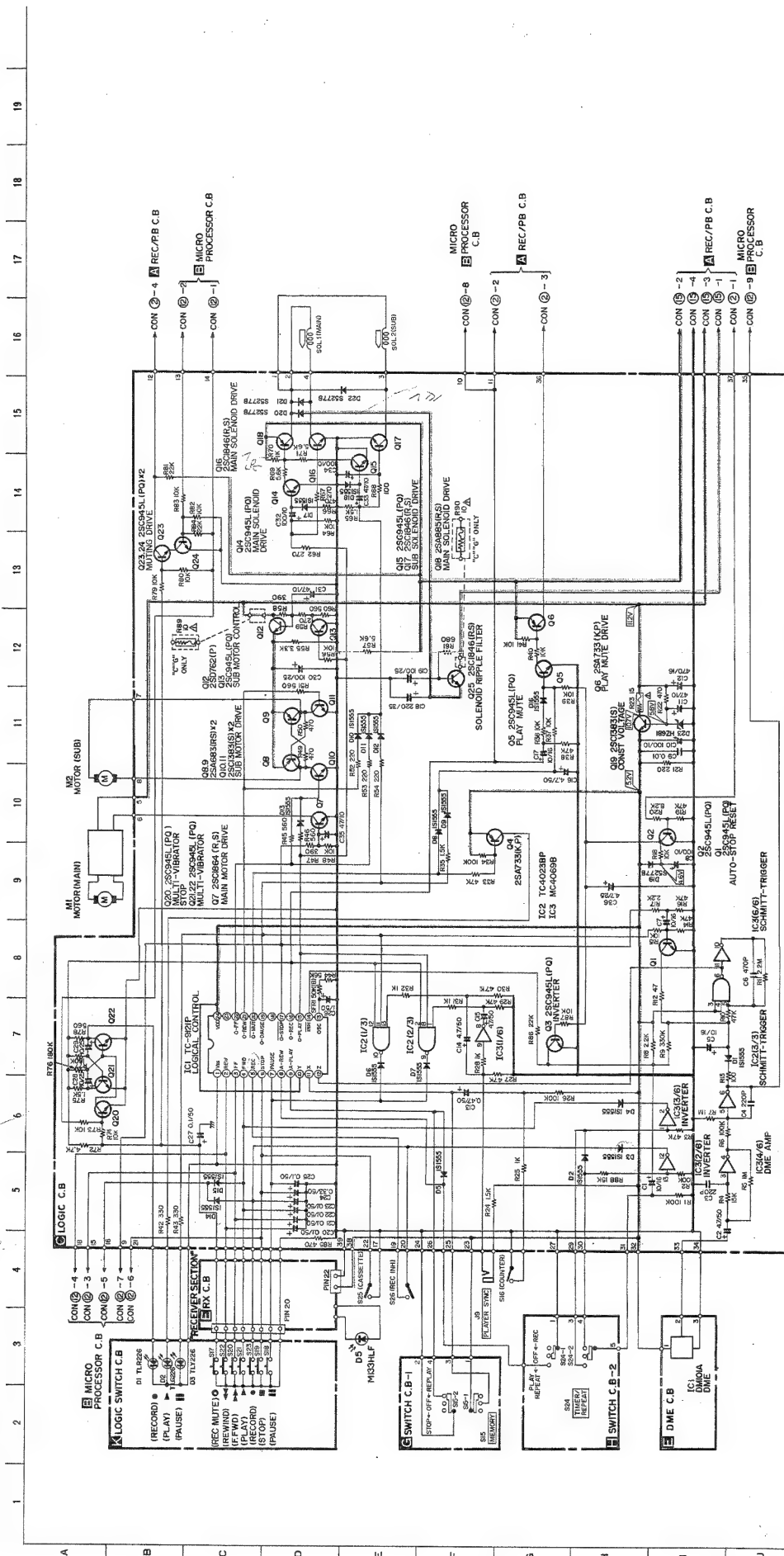
Symbol No.	Part No.	Description
CON-12	82-155-654-01	Connector ass'y, 9P
CON-13	82-155-651-01	Connector ass'y, 12P

△ This symbol is given to important parts which serve to conform to special safety specifications. Therefore, when replacing a component with this symbol, make absolutely sure that you use a designated part.

SCHEMATIC DIAGRAM -1

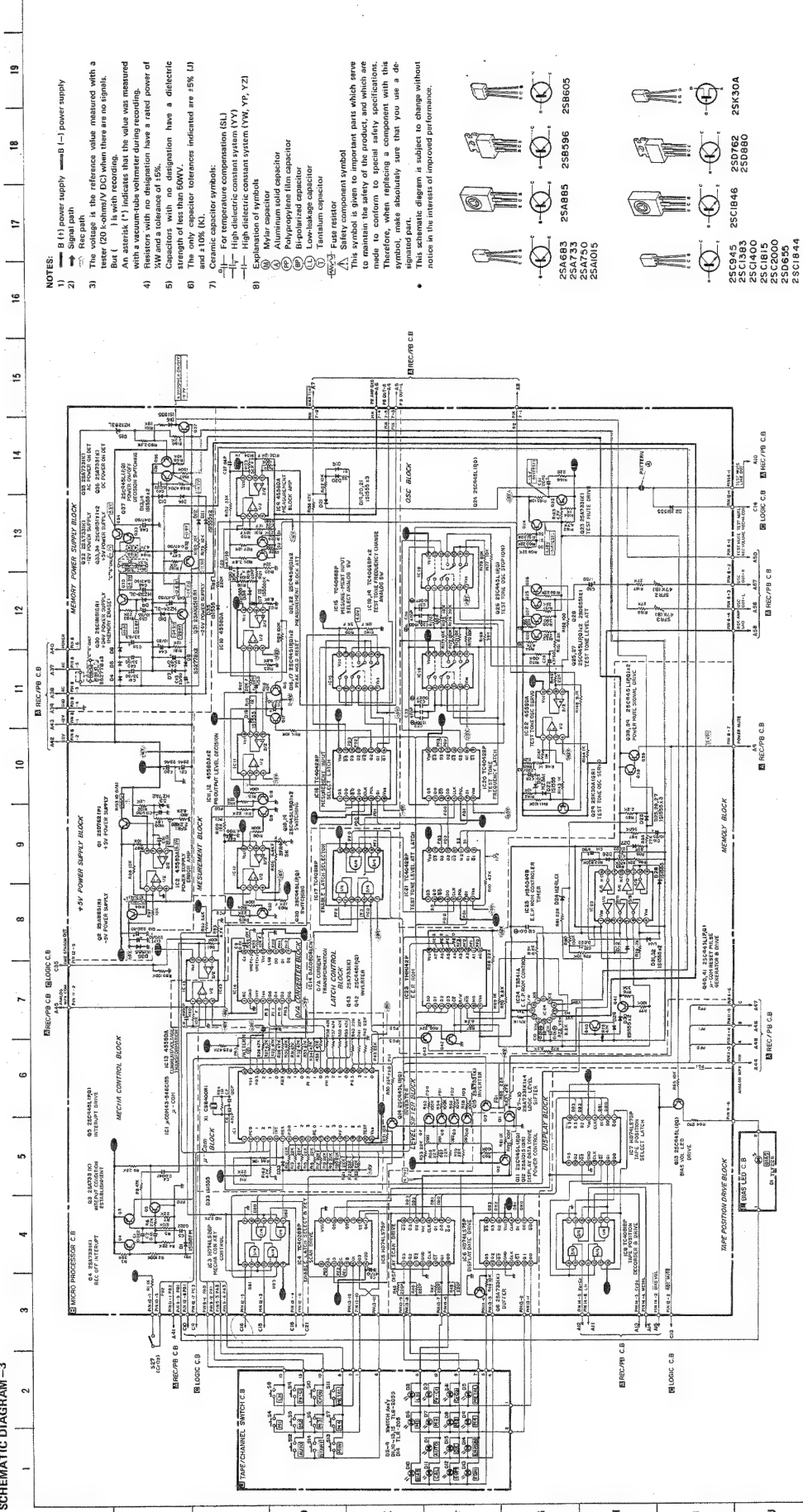


SCHEMATIC DIAGRAM -2



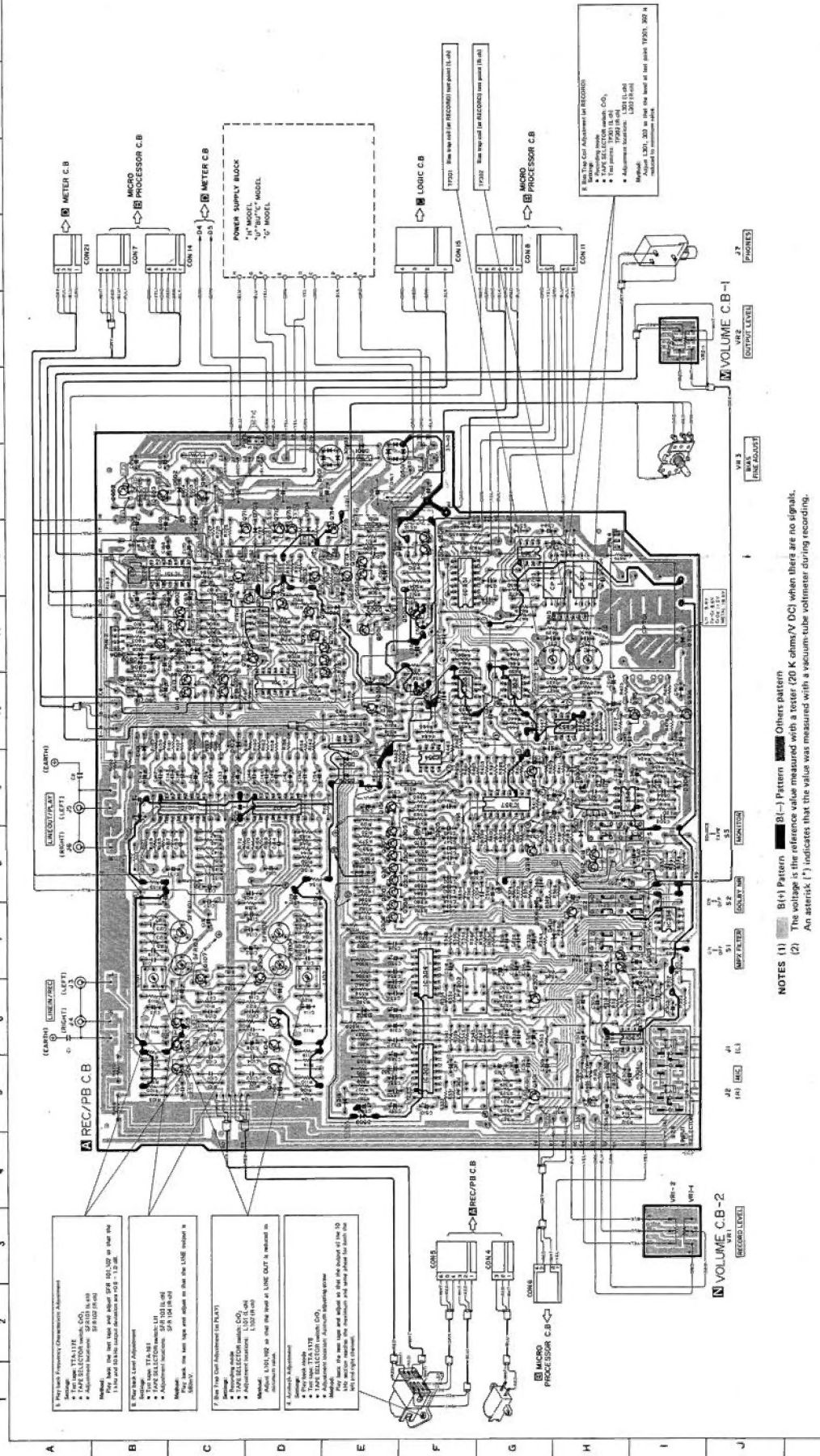
SCHEMATIC DIAGRAM-3

AD-H000H, C, U, B, G



- NOTES:**
- 1) — B (+) power supply — (-) power supply
 - 2) — Resistor
 - 3) — Capacitor
 - 4) — Inductor
 - 5) — Diode
 - 6) — Transistor
 - 7) — IC (Integrated Circuit)
 - 8) — Relay
 - 9) — Switch
 - 10) — LED
 - 11) — Lamp
 - 12) — Speaker
 - 13) — Motor
 - 14) — Transformer
 - 15) — Antenna
 - 16) — Connector
 - 17) — Plug
 - 18) — Jack
 - 19) — Socket
- RESISTOR TOLERANCES:**
- 1%: 0.1%, 0.2%, 0.5%, 1%, 2%, 5%, 10%, 20%, 50%, 100%
 - 5%: 0.1%, 0.2%, 0.5%, 1%, 2%, 5%, 10%, 20%, 50%, 100%
 - 10%: 0.1%, 0.2%, 0.5%, 1%, 2%, 5%, 10%, 20%, 50%, 100%
- CAPACITOR TOLERANCES:**
- 1%: 0.1%, 0.2%, 0.5%, 1%, 2%, 5%, 10%, 20%, 50%, 100%
 - 5%: 0.1%, 0.2%, 0.5%, 1%, 2%, 5%, 10%, 20%, 50%, 100%
 - 10%: 0.1%, 0.2%, 0.5%, 1%, 2%, 5%, 10%, 20%, 50%, 100%
- IC TOLERANCES:**
- 1%: 0.1%, 0.2%, 0.5%, 1%, 2%, 5%, 10%, 20%, 50%, 100%
 - 5%: 0.1%, 0.2%, 0.5%, 1%, 2%, 5%, 10%, 20%, 50%, 100%
 - 10%: 0.1%, 0.2%, 0.5%, 1%, 2%, 5%, 10%, 20%, 50%, 100%
- SAFETY COMPONENT SYMBOLS:**
- △: Safety component symbol
 - : Safety component symbol
 - : Safety component symbol
 - ◇: Safety component symbol
 - ▽: Safety component symbol
 - ◊: Safety component symbol
 - ◈: Safety component symbol
 - ◉: Safety component symbol
 - ◊: Safety component symbol
 - ◈: Safety component symbol
 - ◉: Safety component symbol
- This schematic diagram is subject to change without notice in the interest of improved performance.

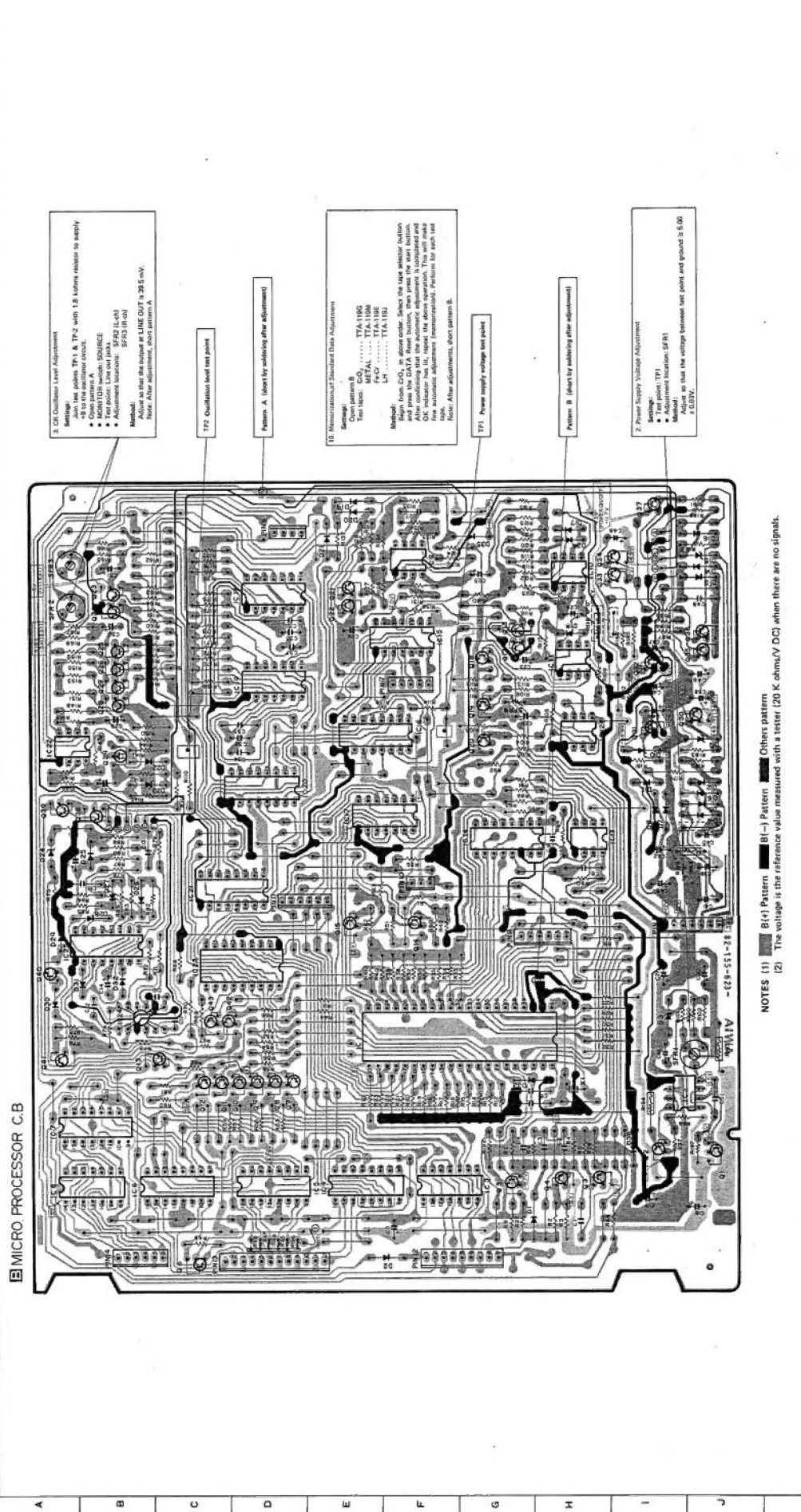
WIRING-1

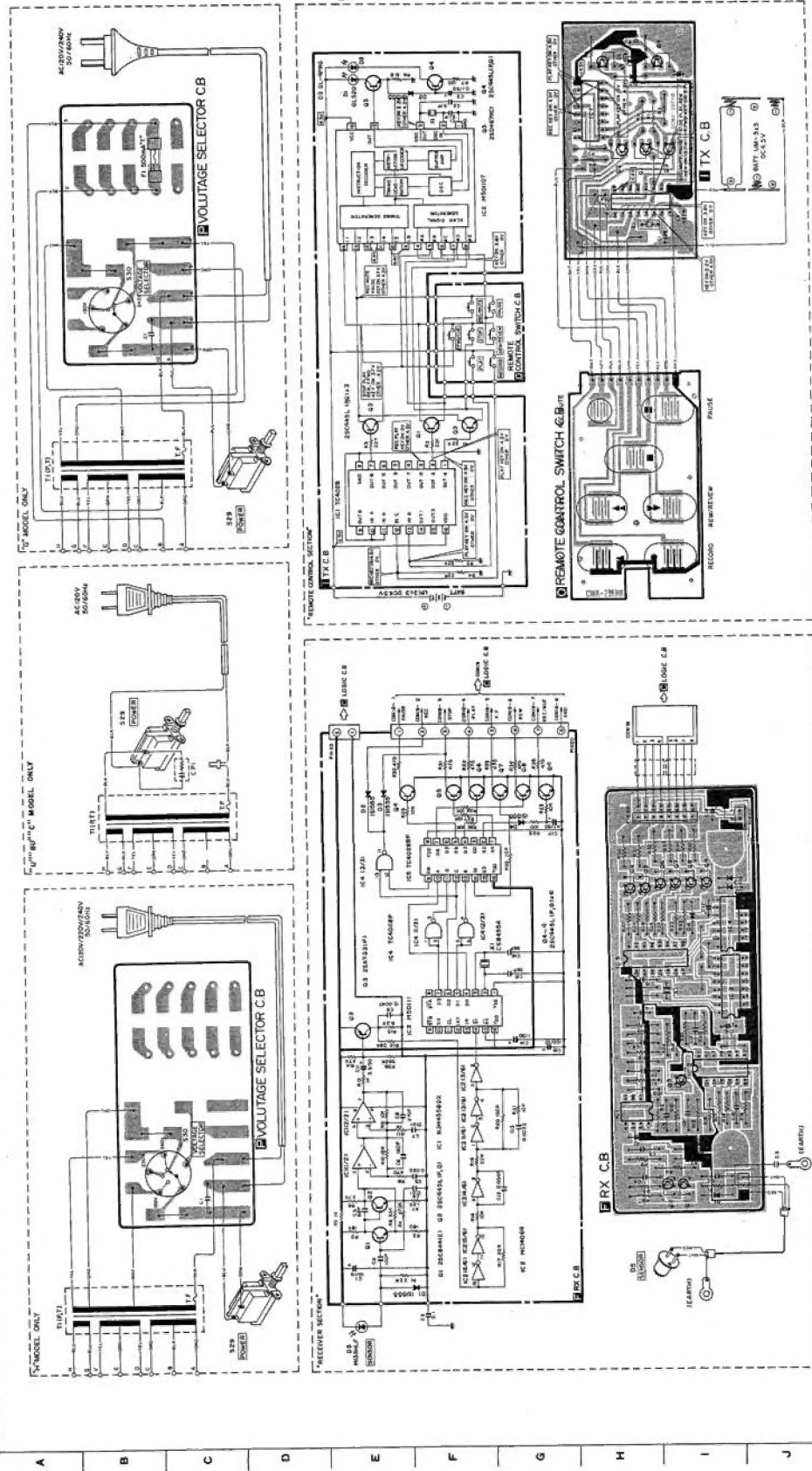


WIRING-2



NOTES





- NOTES (1) **B(1+)** Pattern **Others** pattern
 (2) The voltage is the reference value measured with a tester (20 K ohms/V DC) when there are no signals.